

# Iowa Assessments Profile Report: College Readiness

Iowa Graduating Class 2014



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# Part 1: Results for the Iowa Assessments

**Table 1: Summary Statistics for Grade 11 Students on Iowa Assessment Tests**

	Overall		
Content Area	Mean	SD	N
<b>Reading</b>	291.75	40.64	36398
<b>Written Expression</b>	293.50	39.69	20904
<b>Math</b>	291.61	33.17	36398
<b>Science</b>	299.29	38.79	36328

Table 1 shows the means, standard deviations, and sample sizes for scores on the Grade 11 Iowa Assessments.

**Table 2: Summary Statistics for Grade 11 Students on Iowa Assessment Tests by Gender**

	Female			Male		
Content Area	Mean	SD	N	Mean	SD	N
<b>Reading</b>	296.56	38.09	17735	287.18	42.41	18663
<b>Written Expression</b>	300.94	36.49	10139	286.49	41.27	10765
<b>Math</b>	290.08	31.85	17737	293.07	34.31	18661
<b>Science</b>	299.95	36.66	17705	298.67	40.70	18623

Table 2 shows the means, standard deviations, and sample sizes for scores on the Grade 11 Iowa Assessments by gender.

**Table 3: Summary Statistics for Grade 11 Students on Iowa Assessment Tests by Race**

Content Area	Asian			Black / African American			Hispanic / Latino			White		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
<b>Reading</b>	288.62	50.79	815	264.65	41.24	1555	275.24	39.08	2647	294.89	39.47	30375
<b>Written Expression</b>	296.65	47.92	426	264.65	41.47	596	271.94	38.77	1103	295.85	38.63	18309
<b>Math</b>	297.66	38.63	822	264.70	30.63	1559	274.39	30.35	2652	294.67	32.14	30363
<b>Science</b>	298.02	45.15	821	266.64	40.17	1554	279.57	37.84	2647	303.04	37.15	30308

Table 3 shows the means, standard deviations, and sample sizes for scores on the Grade 11 Iowa Assessments **by** race.

**Table 4: Summary Statistics for Grade 11 Students on Iowa Assessment Tests for Students in the Free/Reduced Lunch Program (FRL) and Students not in the Program (Non-FRL)**

Content Area	FRL			Non-FRL		
	Mean	SD	N	Mean	SD	N
<b>Reading</b>	274.10	40.28	11230	299.63	38.25	25168
<b>Written Expression</b>	273.55	39.57	5591	300.78	37.15	15313
<b>Math</b>	275.09	31.20	11230	298.99	31.31	25168
<b>Science</b>	281.35	38.96	11199	307.29	35.93	25129

Table 4 shows the means, standard deviations, and sample sizes for Grade 11 Iowa Assessments content area scores by FRL (i.e., Students in the Free/reduced lunch program and students not in the Free/reduced lunch program).

# Part 2: College Readiness Benchmarks for Iowa Students

Figure 1 shows the percentage of examinees that met or exceeded the college readiness benchmark score on each of the four Iowa Assessment tests.

Figures 2-9 show the percentage of examinees separated by gender, FRL, and race that met or exceeded the college readiness benchmark score on each of the four Iowa Assessment tests.

Figures 10-11 show the percentage of examinees, separated by the same groupings, that met or exceeded the college readiness benchmark scores on all four of the Iowa Assessment tests.

For the graphs that show performance by race, there are individuals of other ethnicities, such as those of Native American background, that also took the content area tests, but the size of the samples were too small to adequately represent average performance of these ethnic groups.

**Table 5: Iowa Assessment Benchmark Scores**

	<b>Iowa Assessment Score</b>
<b>Reading</b>	303
<b>English</b>	293
<b>Math</b>	312
<b>Science</b>	321

Table 5 shows the Iowa Assessment Benchmarks.

**Table 6: Iowa Assessment Score Distribution for Students**

IOWA ASSESSMENT SCORES	WRITTEN EXPRESSION		READING		MATHEMATICS		SCIENCE	
	N	CP	N	CP	N	CP	N	CP
361-Above	53	100	919	100	249	100	870	100
351-360	871	99.75	1771	97.48	300	99.32	2676	97.61
341-350	1261	95.58	2135	92.61	785	98.49	2132	90.24
331-340	2314	89.55	0	86.74	2559	96.33	2483	84.37
321-330	1590	78.48	4445	86.74	4441	89.30	4210	77.54
311-320	1579	70.87	2125	74.53	4571	77.10	2894	65.95
301-310	2350	63.32	3871	68.69	3928	64.54	2915	57.98
291-300	2054	52.08	3255	58.06	2941	53.75	4238	49.96
281-290	1827	42.25	3984	49.12	1506	45.67	2677	38.29
271-280	1546	33.51	4289	38.17	3357	41.54	3521	30.92
261-270	1278	26.11	3243	26.39	5075	32.31	2050	21.23
251-260	769	20.00	1462	17.48	3050	18.37	1784	15.59
241-250	1003	16.32	1217	13.46	1214	9.99	787	10.67
231-240	865	11.52	1143	10.12	942	6.65	1361	8.51
221-230	518	7.39	515	6.98	661	4.07	529	4.76
211-220	416	4.91	433	5.56	407	2.25	0	3.31
201-210	291	2.92	429	4.37	230	1.13	728	3.31
191-200	178	1.53	343	3.19	121	0.50	188	1.30
181-190	109	0.67	514	2.25	37	0.17	220	0.78
171-180	17	0.15	153	0.84	17	0.07	58	0.18
161-170	8	0.07	130	0.42	6	0.02	4	0.02
151-160	7	0.03	21	0.06	1	0.00	3	0.01
141-150	0	0	1	0.00	0	0	0	0
<b>TOTAL N</b>	20904		36398		36398		36328	
<b>MEAN (SD)</b>	293.50	(39.69)	291.75	(40.64)	291.61	(33.17)	299.29	(38.79)

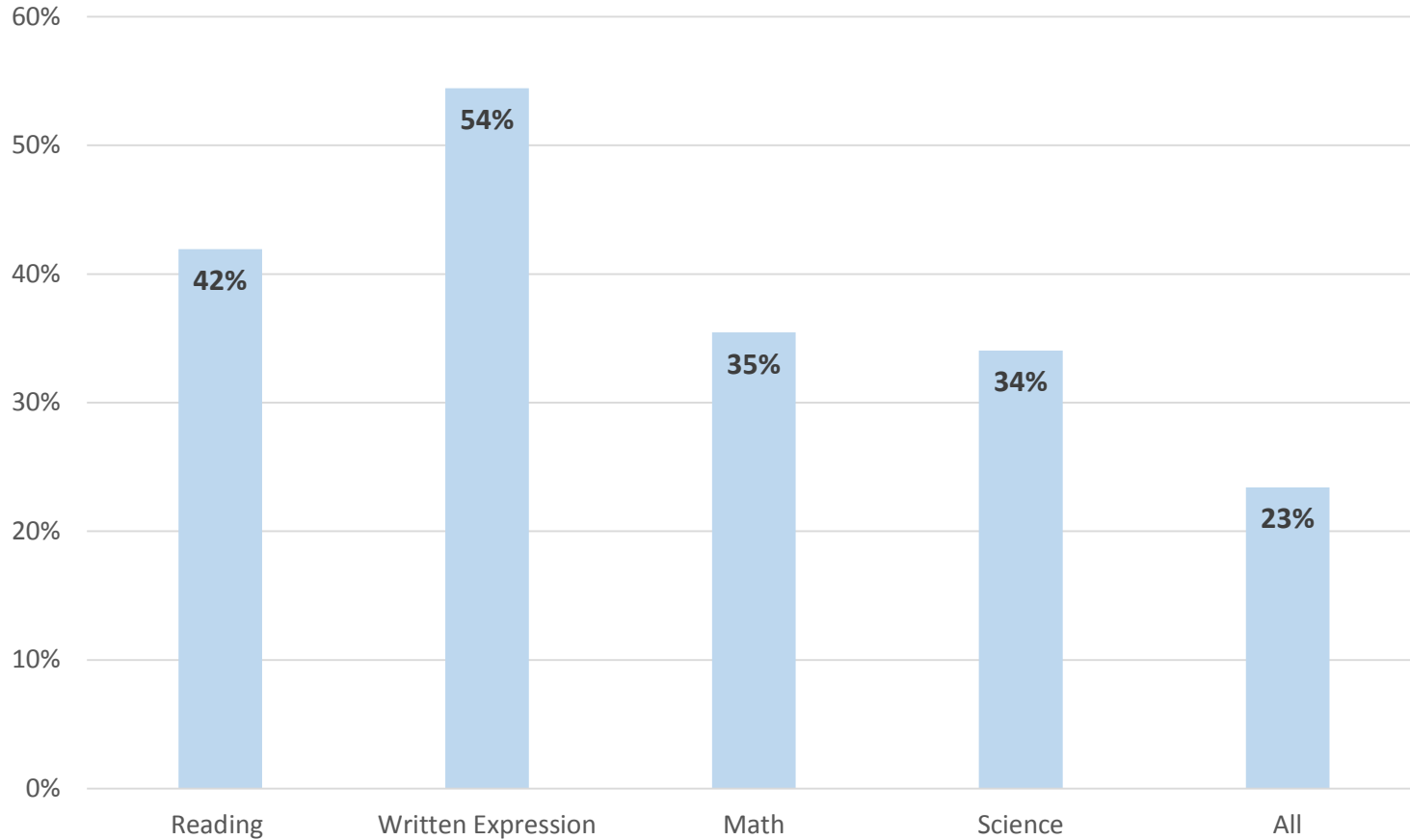
Table 6 shows the score distributions of the students who took the Iowa Assessments. The yellow bars highlight the interval that contains the benchmark cut-score for college readiness.

\*Intervals containing a college readiness benchmark are displayed using obtainable scores in Table 5.

\*\*Written expression subtest is not required by all districts.



**Figure 1: Percent of All Iowa Students who met or exceeded College Readiness Benchmarks**



Iowa Assessments  
Reading  
Benchmark = 303

Iowa Assessments  
Written  
Expression  
Benchmark = 293

Iowa Assessments  
Math  
Benchmark = 312

Iowa Assessments  
Science  
Benchmark = 321

Figure 2: Percent of Iowa Students who met or exceeded College Readiness Benchmarks in Reading

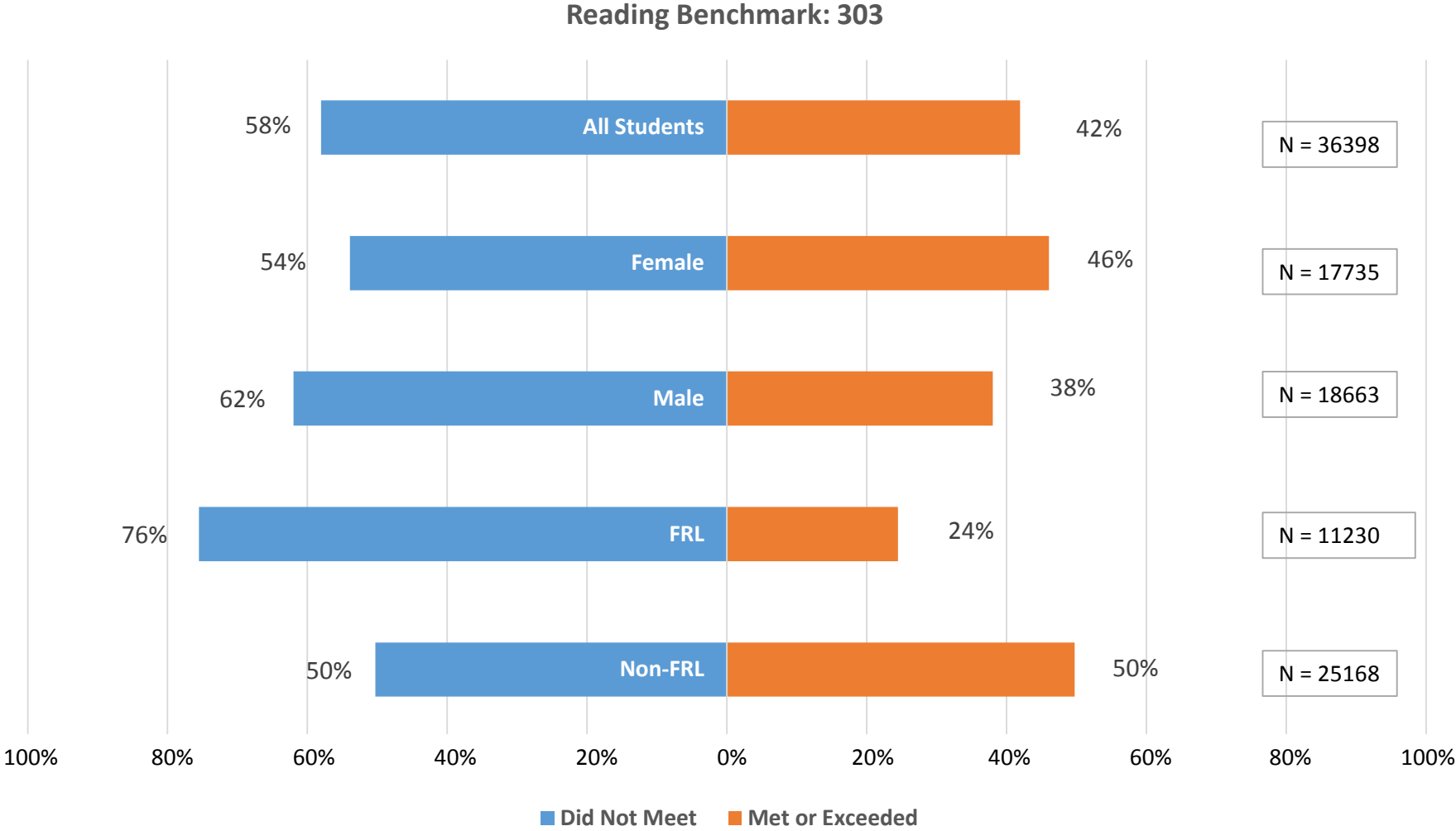


Figure 3: Percent of Iowa Students who met or exceeded College Readiness Benchmarks in Reading

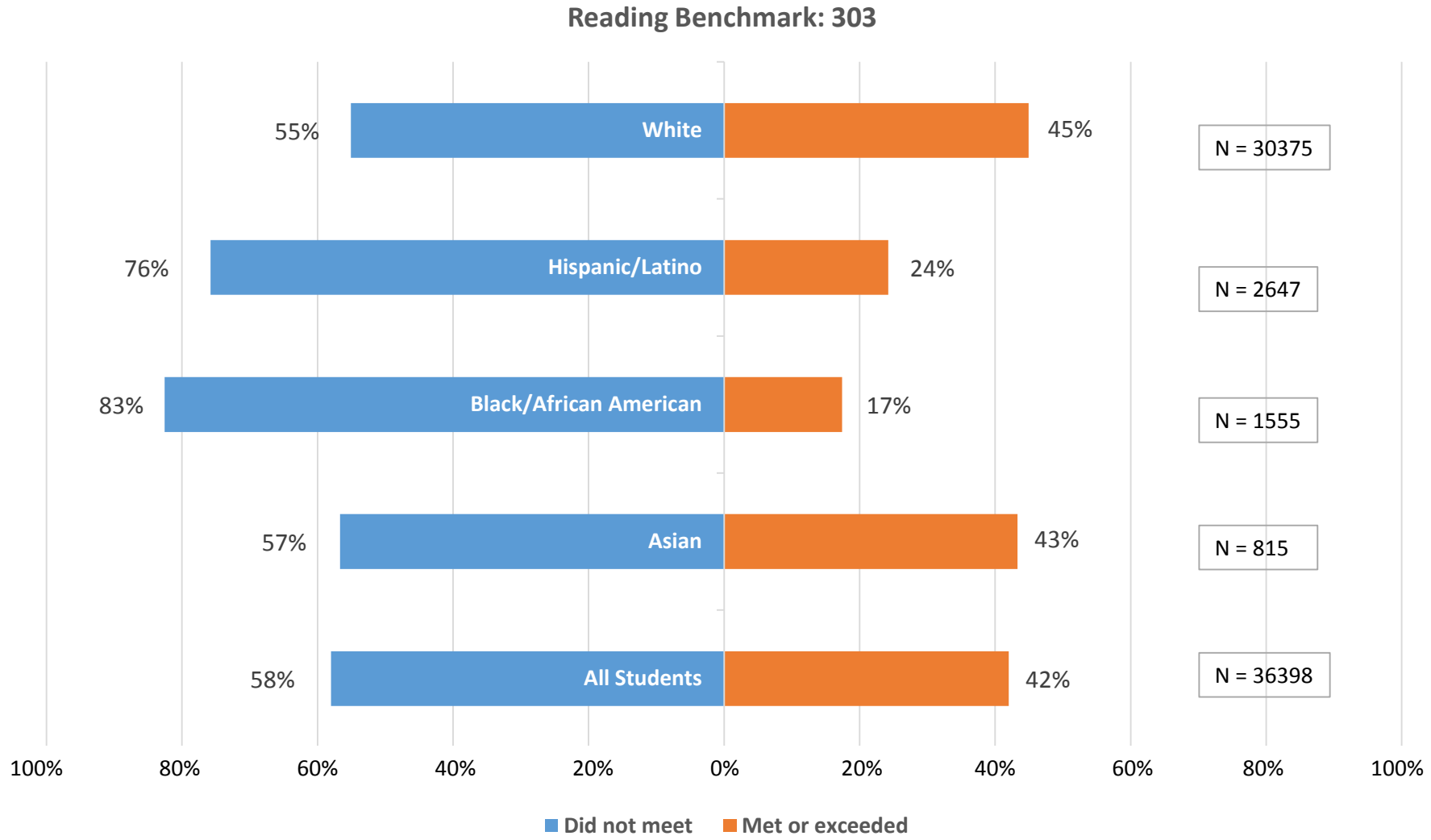


Figure 4: Percent of Iowa Students who met or exceeded College Readiness Benchmarks in Written Expression

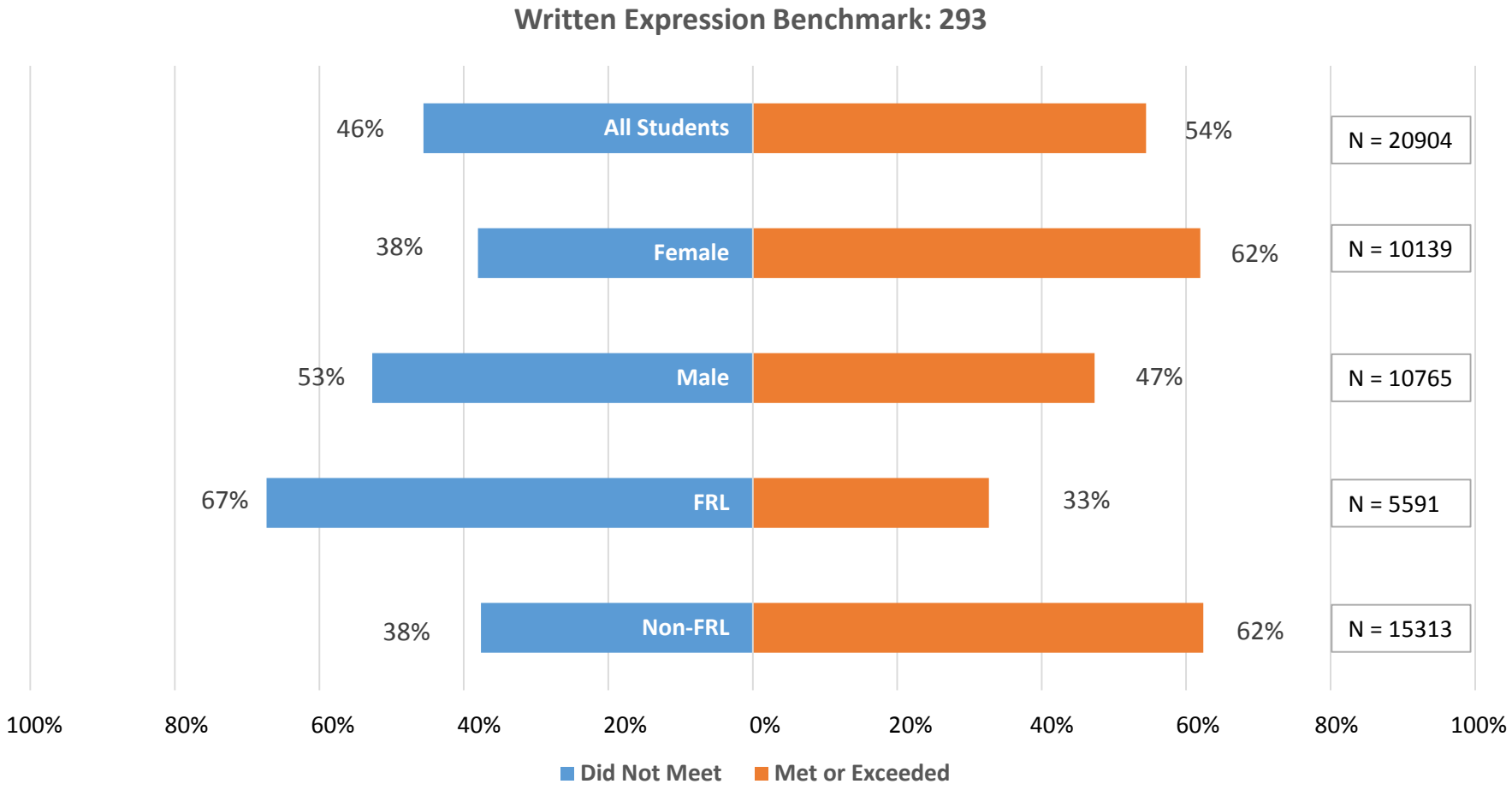


Figure 5: Percent of Iowa Students who met or exceeded College Readiness Benchmarks in Written Expression

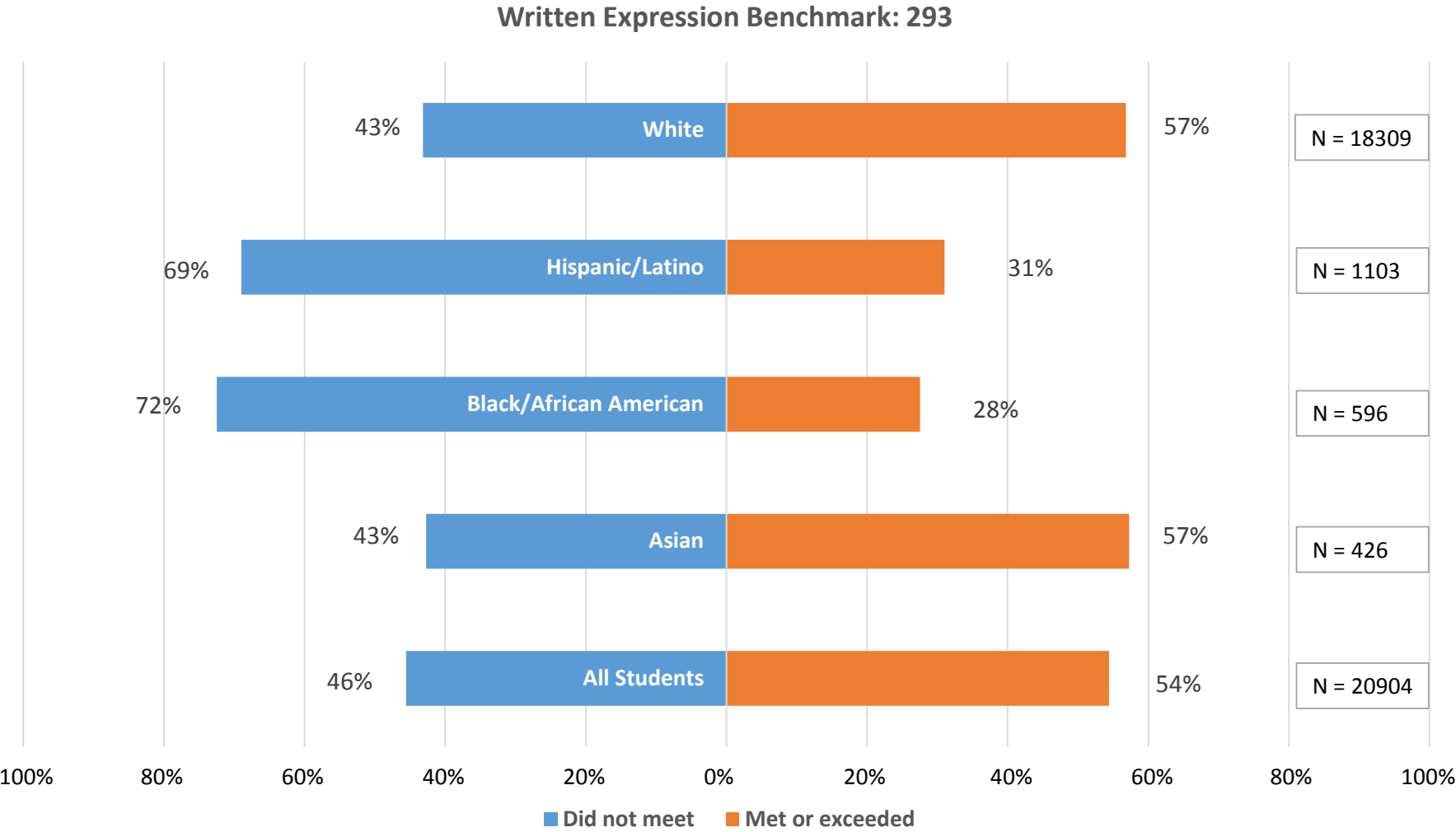


Figure 6: Percent of Iowa Students who met or exceeded College Readiness Benchmarks in Mathematics

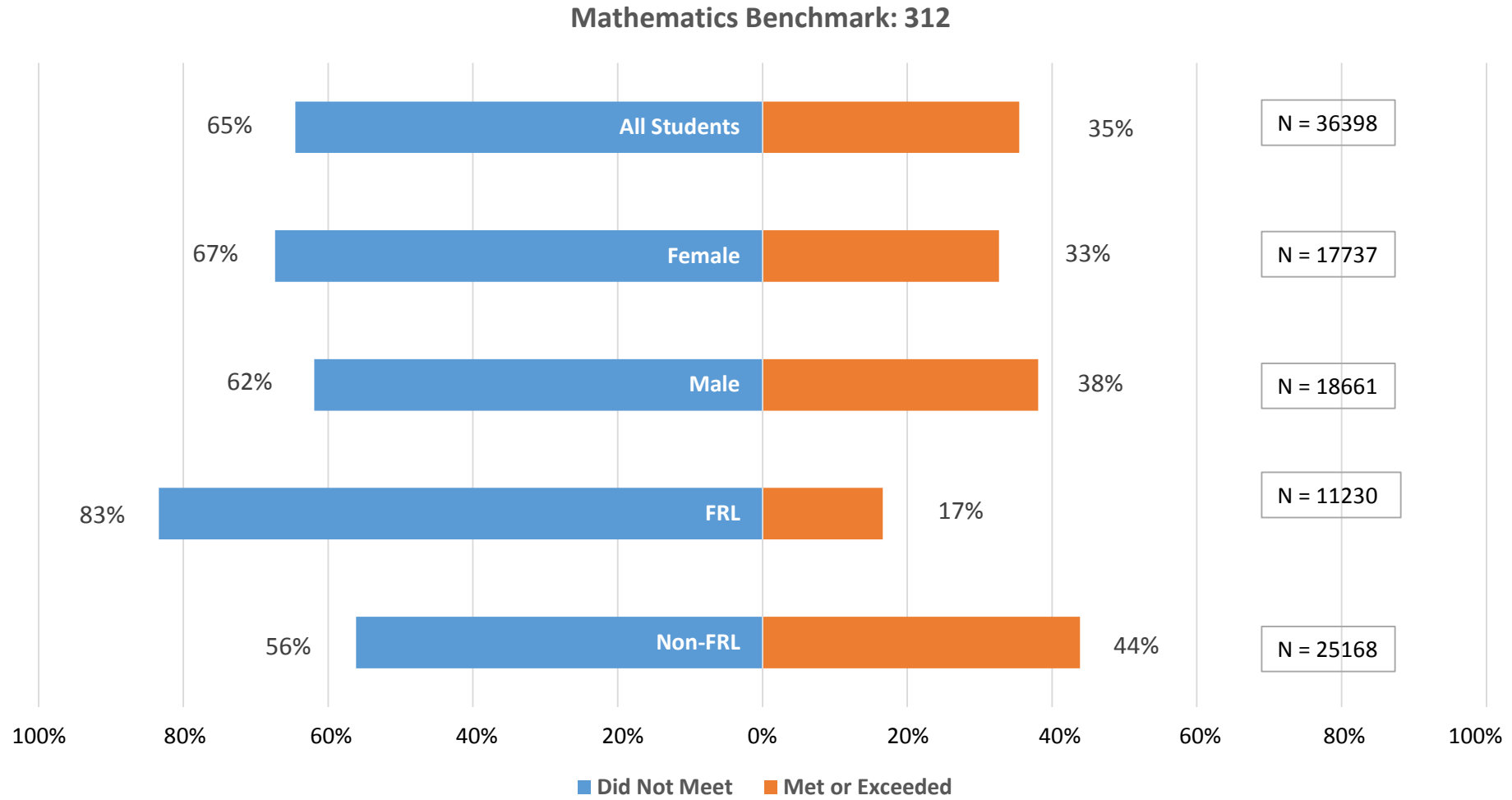


Figure 7: Percent of Iowa Students who met or exceeded College Readiness Benchmarks in Mathematics

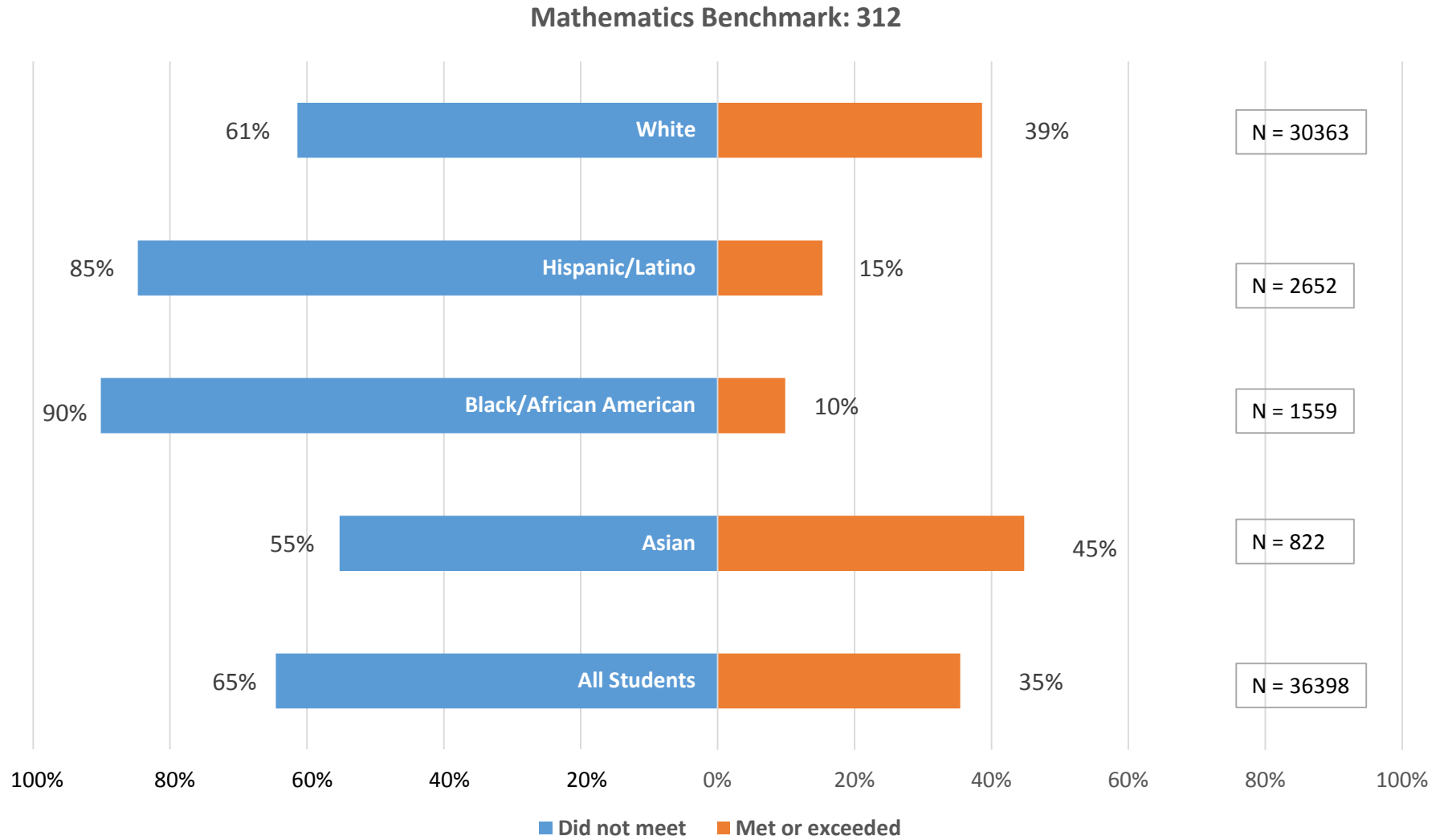


Figure 8: Percent of Iowa Students who met or exceeded College Readiness Benchmarks in Science

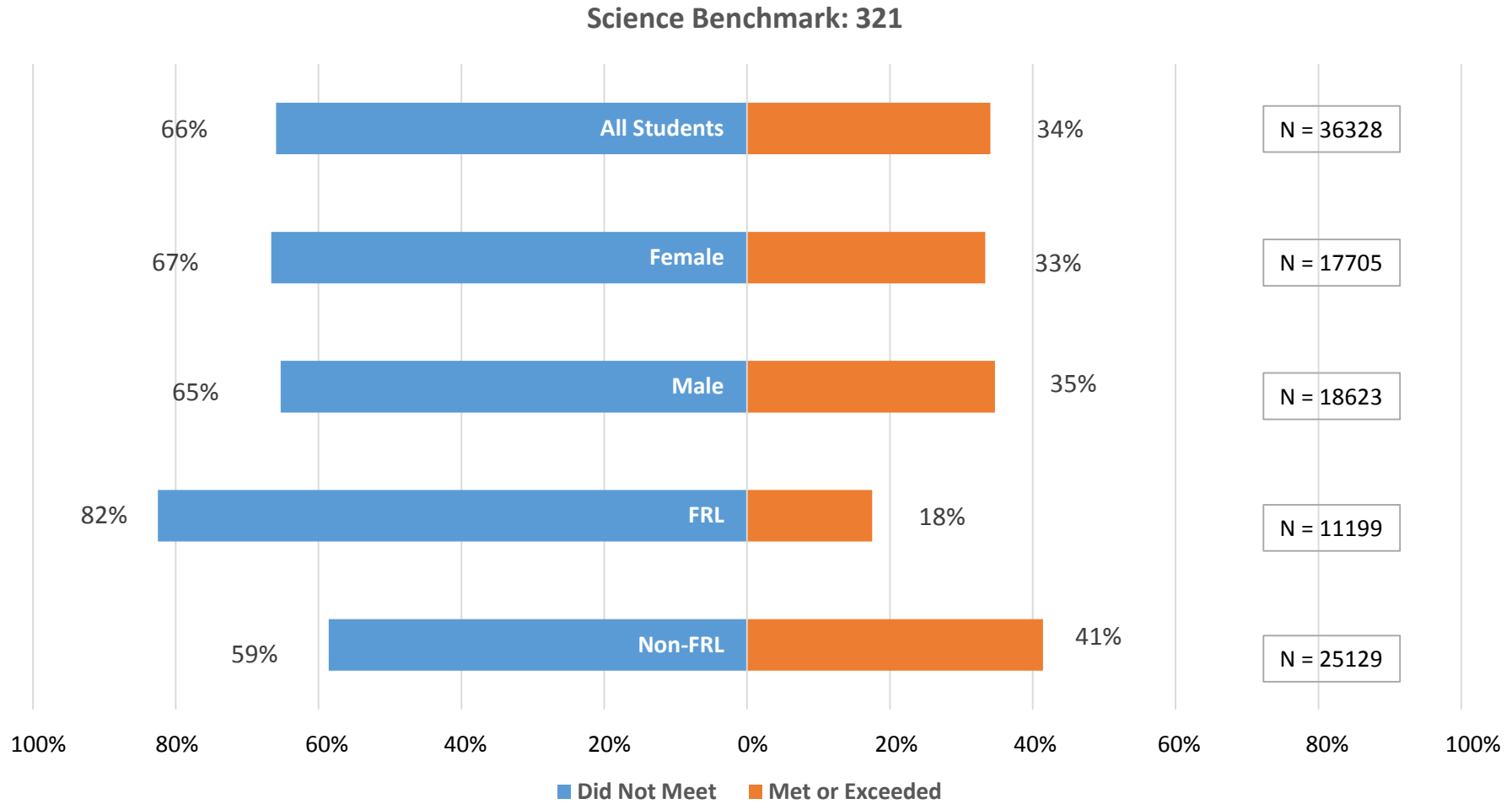




Figure 9: Percent of Iowa Students who met or exceeded College Readiness Benchmarks in Science

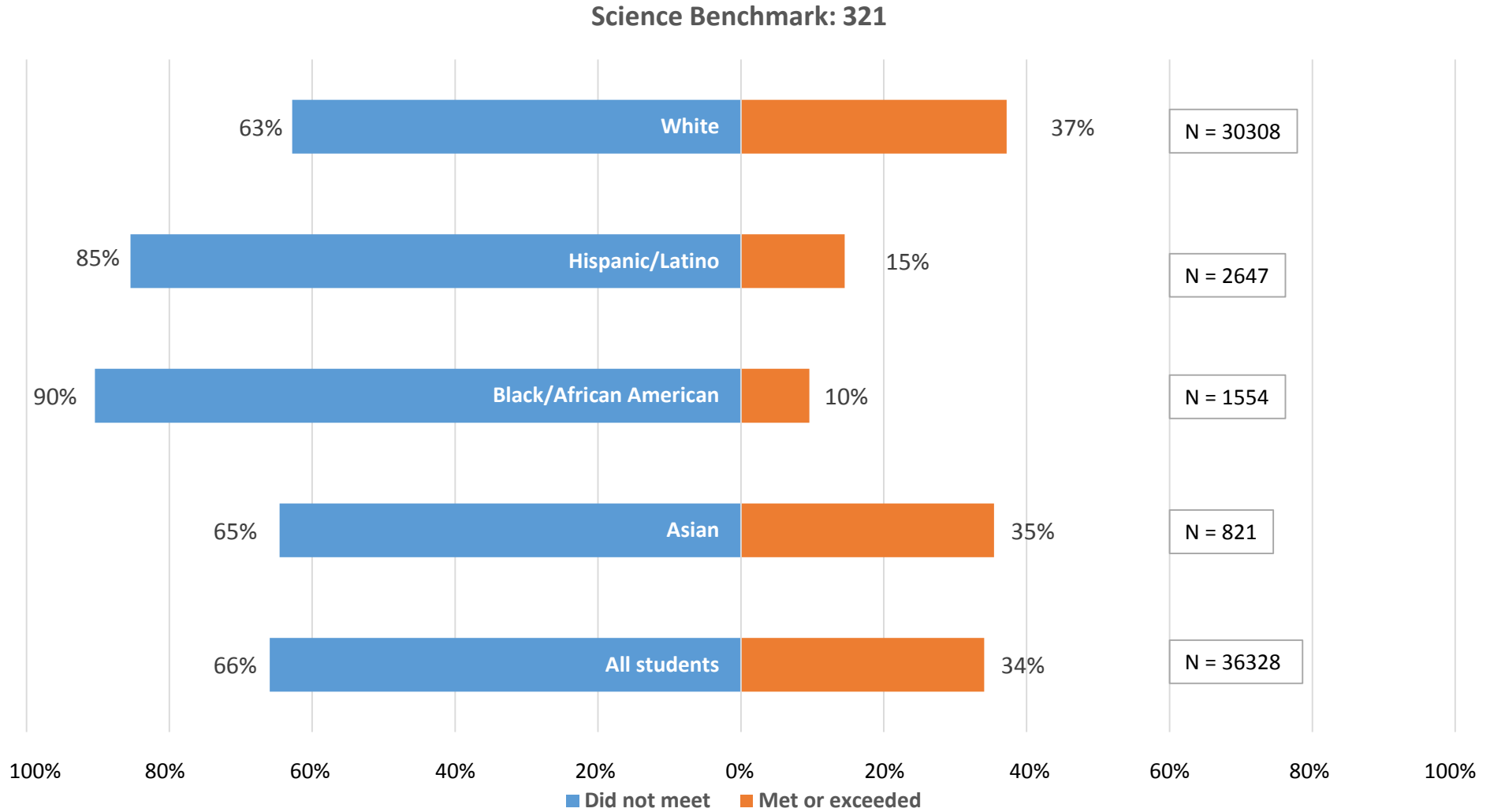


Figure 10: Percent of Iowa Students who met or exceeded all College Readiness Benchmarks

Benchmarks: Reading: 303, Written Expression: 293, Math: 312, Science: 321

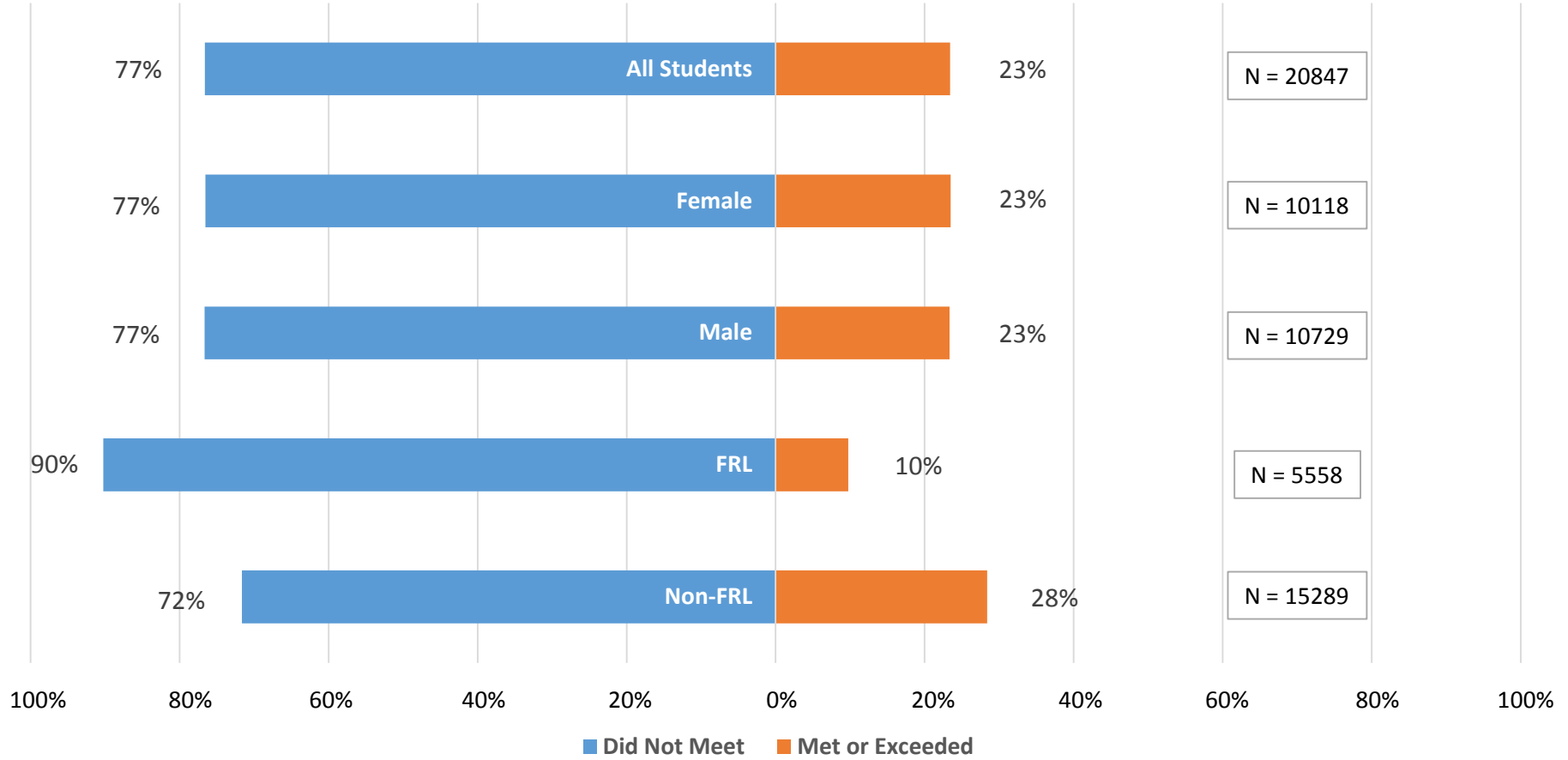


Figure 11: Percent of Iowa Students who met or exceeded all College Readiness Benchmarks

Benchmarks: Reading: 303, Written Expression: 293, Math: 312, Science: 321

